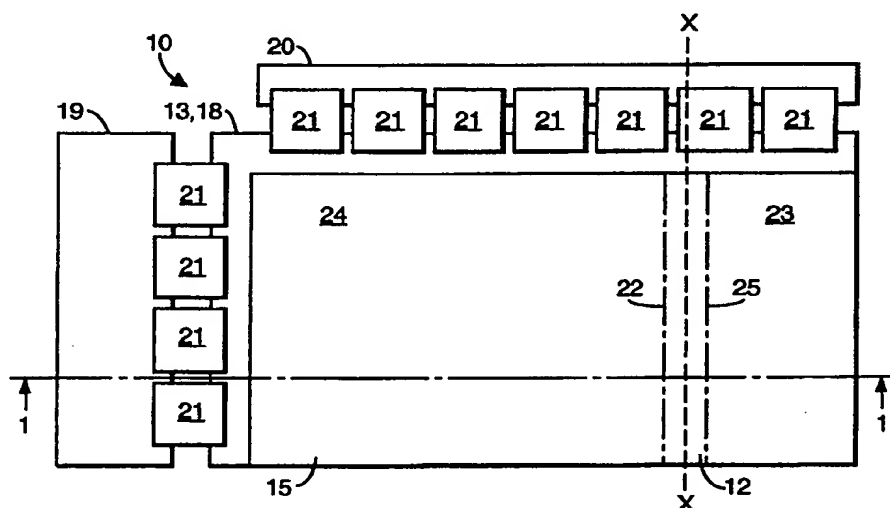




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(21) International Application Number: PCT/GB98/02586 (22) International Filing Date: 27 August 1998 (27.08.98) (30) Priority Data: 9721804.4      15 October 1997 (15.10.97)      GB 9814577.4      7 July 1998 (07.07.98)      GB (71) Applicant (for all designated States except US): GEC MARCONI AVIONICS (HOLDINGS) LIMITED [GB/GB]; The Grove, Warren Lane, Stanmore, Middlesex HA7 4LY (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): WATSON, David, Stewart, Nimmo [GB/GB]; 7 Colinton Grove, Edinburgh EH14 1DB (GB). (74) Agent: HOSTE, Colin, Francis; GEC Patent Dept., Waterhouse Lane, Chelmsford, Essex CM1 2QX (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  Published With international search report.	

(54) Title: IMPROVEMENTS IN OR RELATING TO LIQUID CRYSTAL DISPLAYS



## (57) Abstract

A custom made liquid crystal display is formed from a pre-manufactured liquid crystal display (10) by removing an excess region (23). The driver card (20) is cut along the line X-X and the excess TABs are disconnected from the conductive layer (18). Optionally, a narrow strip is removed from each of the polarising substrates (15, 16) between the lines (22, 25) to expose their associated glass plates (12, 13). A groove (32 - see Figure 10) is then cut into the exposed surface of each of the glass plates (12, 13) along the line X-X. Each glass plate (12, 13) is then fractured along the base of its groove (32) so that the excess region (23) is detached from the operative region (24). The cut edges of the glass plates (12, 13) are then sealed by applying a bead of ultra-violet curing adhesive. The processes of removing an excess region (23) by cutting the glass plates (12, 13) with a laser or by freezing the liquid crystal between the glass plates (12, 13) and machining through the glass plates (12, 13) are also described.